



Austin Animal Center Adoption Project

Presented by: A-Team



Purpose:

The Austin Animal Center is located in Austin, Texas, the "No Kill" city in the country. The center reports that 90% of animals are either adopted, returned to their owner, or transferred to a rescue. Our interest in this topic is to determine what outcome would be expected for each breed, particularly for breeds considered "violent" or aggressive, and compare if younger or older pets are more likely to find a home. Another interest we had was looking at the geographical area of the City of Austin to determine if there is an area within the city that has a higher number of stray population.



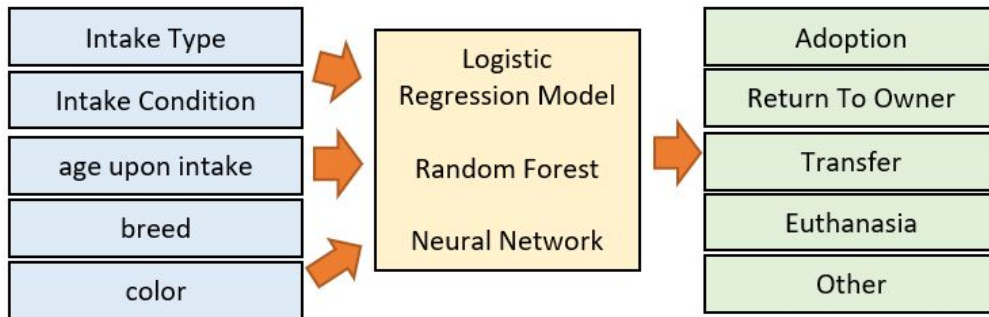
Questions to Answer: (Still being discussed)

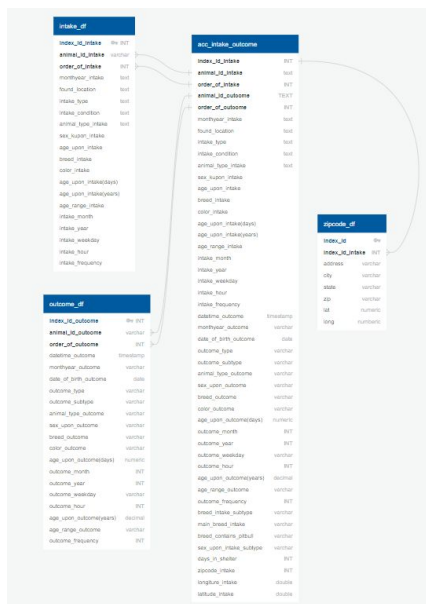
- 1). What month has most intakes/outcomes
- 2). Distribution of dog and cats.
- 3). Where in Austin are most intakes coming from?
- 4.) Average dog and cat intake in a week?
- 5). Average time in the shelter?
- 6). Average time in shelter by age?
- 7). What type of animal is most likely to be returned to the owner?
- 8). What area of Austin is most likely to have strays?
- 9.) What day of the week is most likely to have adoptions?
- 10.) Does breed play a role in successful outcome?



Workflow of Project: Machine Learning Model

The following is a provisional machine learning model which was used during the planning







Resources: Data

City of Austin Data Center

(https://data.austintexas.gov/browse?City-of-Austin_Department-=Animal+Services)

- The city of Austin's online repository of statistical data. From this data source we downloaded Animal Center Intake and Outcome data from Oct, 1st 2013 to present. All animals receive a unique Animal ID during intake.

Intake Data

(<https://data.austintexas.gov/Health-and-Community-Services/Austin-Animal-Center-Intakes/wter-evkm/data>)

- Intake represents the status of animals as they enter the Animal Center

Outcome Data

(<https://data.austintexas.gov/Health-and-Community-Services/Austin-Animal-Center-Outcomes/9t4d-q238/data>)

- Outcome represents the status of animals as they leave the Animal Center